

The student is expected to:

(A)

...apply mathematics to problems arising in everyday life, society, and the workplace.

(B)

...use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and reasonableness of the solution.

(C)

...select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.

(D)

...communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.

(E)

...create and use representations to organize, record, and communicate mathematical ideas.

(F)

...analyze mathematical relationships to connect and communicate mathematical ideas.

(G)

...display, explain, and justify mathematical ideas and arguments using precise mathematical language in written and oral communication.